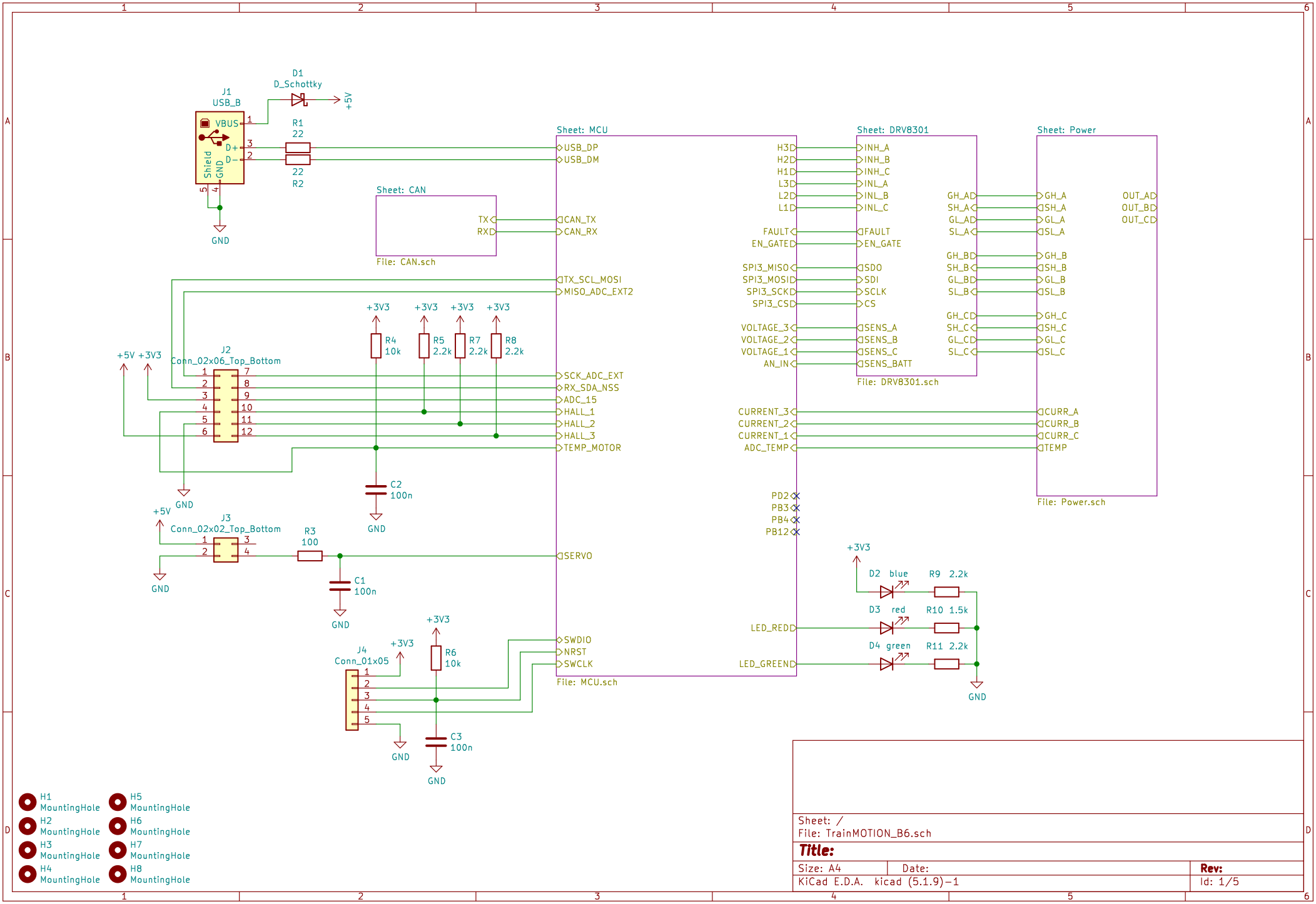
J1
USB_B
VBUS
D+
D-
Shield
GND
D1
D_Schottky
+5V
R1
22
R2
22
GND
Sheet: CAN
TX
RX
File: CAN.sch
CAN_TX
CAN_RX
Sheet: MCU
USB_DP
USB_DM
TX_SCL_MOSI
MISO_ADC_EXT2
SCK_ADC_EXT
RX_SDA_NSS
ADC_15
HALL_1
HALL_2
HALL_3
TEMP_MOTOR
SERVO
SWDIO
NRST
SWCLK
PD2
PB3
PB4
PB12
File: MCU.sch
Sheet: DRV8301
H3
H2
H1
L3
L2
L1
FAULT
EN_GATE
SPI3_MISO
SPI3_MOSI
SPI3_SCK
SPI3_CSD
VOLTAGE_3
VOLTAGE_2
VOLTAGE_1
AN_IN
INH_A
INH_B
INH_C
INL_A
INL_B
INL_C
FAULT
EN_GATE
SDO
SDI
SCLK
CS
SENS_A
SENS_B
SENS_C
SENS_BATT
GH_A
SH_A
GL_A
SL_A
GH_B
SH_B
GL_B
SL_B
GH_C
SH_C
GL_C
SL_C
File: DRV8301.sch
Sheet: Power
GH_A
SH_A
GL_A
SL_A
GH_B
SH_B
GL_B
SL_B
GH_C
SH_C
GL_C
SL_C
OUT_A
OUT_B
OUT_C
CURRENT_3
CURRENT_2
CURRENT_1
ADC_TEMP
CURR_A
CURR_B
CURR_C
TEMP
File: Power.sch
J2
Conn_02x06_Top_Bottom
+5V
+3V3
R4
10k
R5
2.2k
R7
2.2k
R8
2.2k
C2
100n
J3
Conn_02x02_Top_Bottom
R3
100
C1
100n
J4
Conn_01x05
R6
10k
C3
100n
D2 blue
R9 2.2k
D3 red
R10 1.5k
D4 green
R11 2.2k
LED_RED
LED_GREEN
H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole
H5 MountingHole
H6 MountingHole
H7 MountingHole
H8 MountingHole
Sheet: /
File: TrainMOTION_B6.sch
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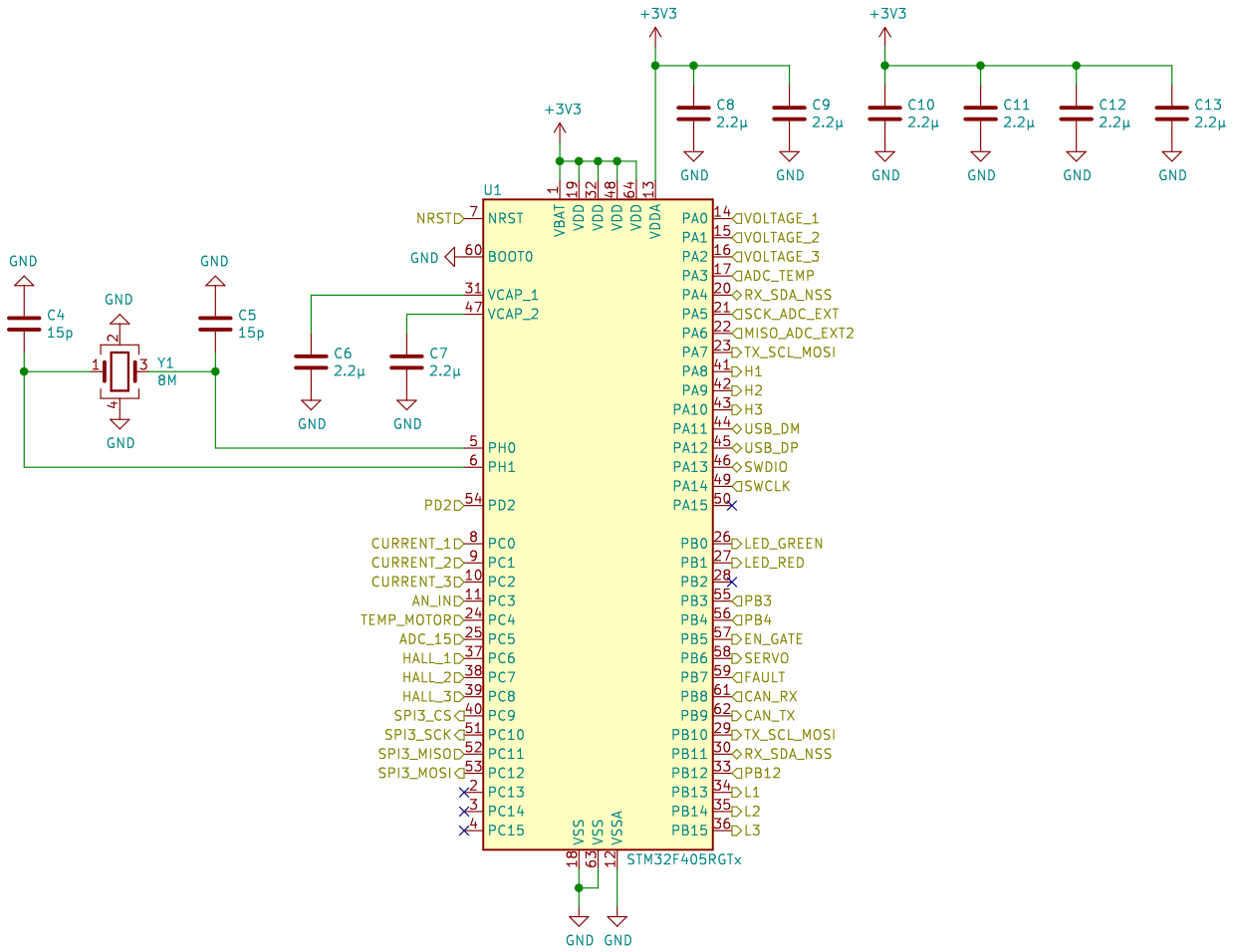
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.1.9)-1
Id: 1/5



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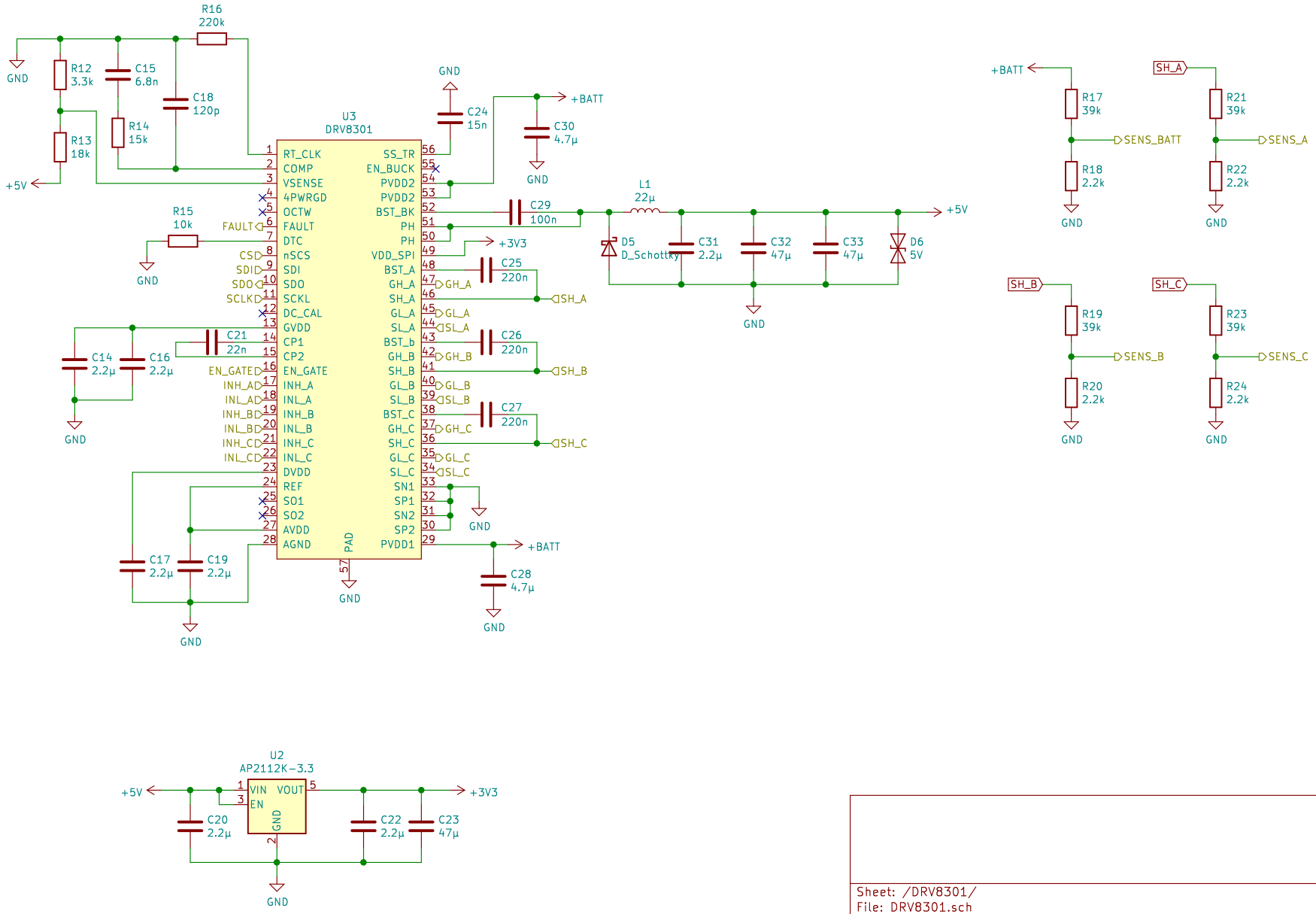
Size: A4	Date:
KiCad E.D.A. kicad (5.1.9)-1	Id: 2/5
	Rev:



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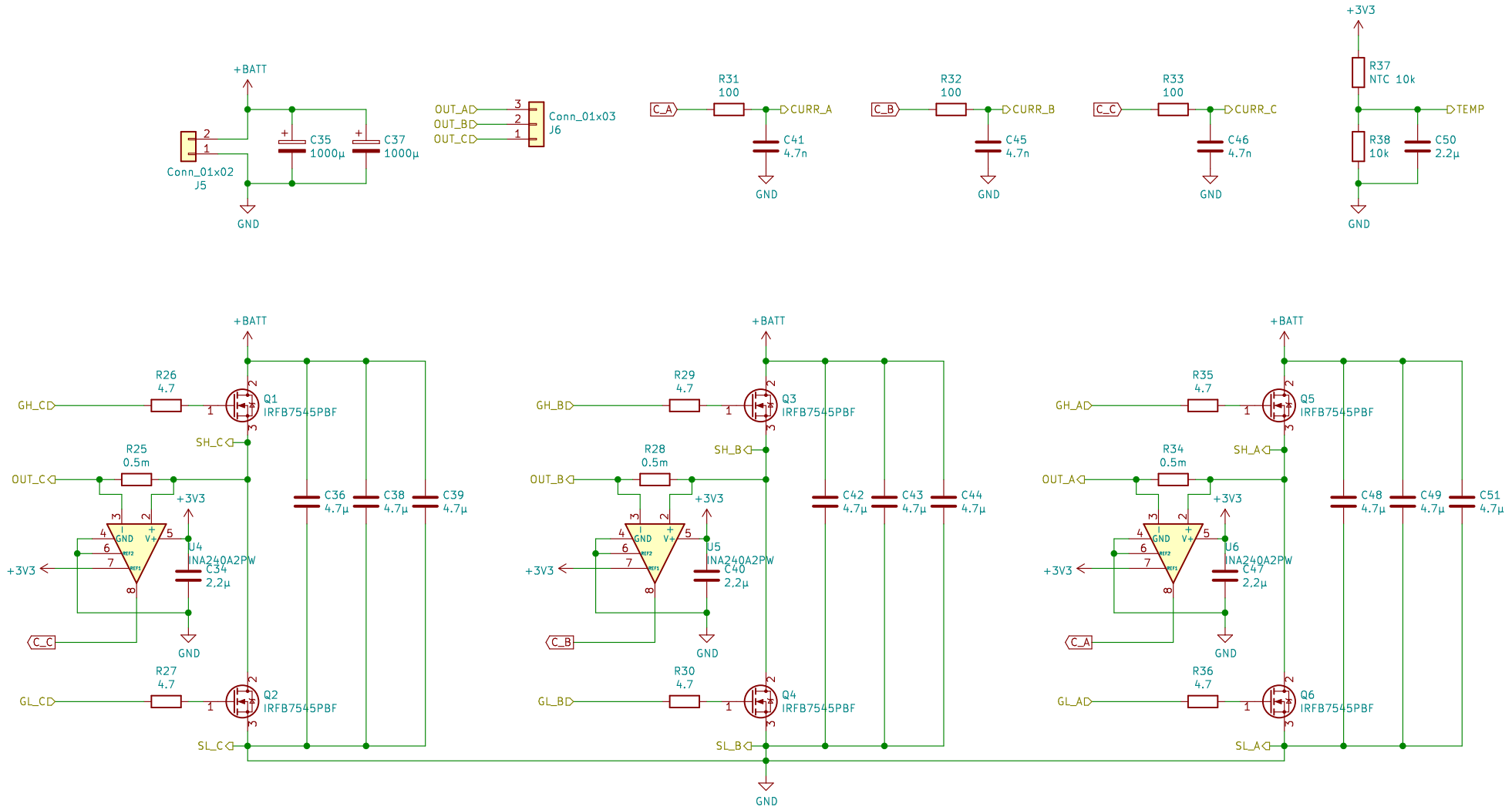

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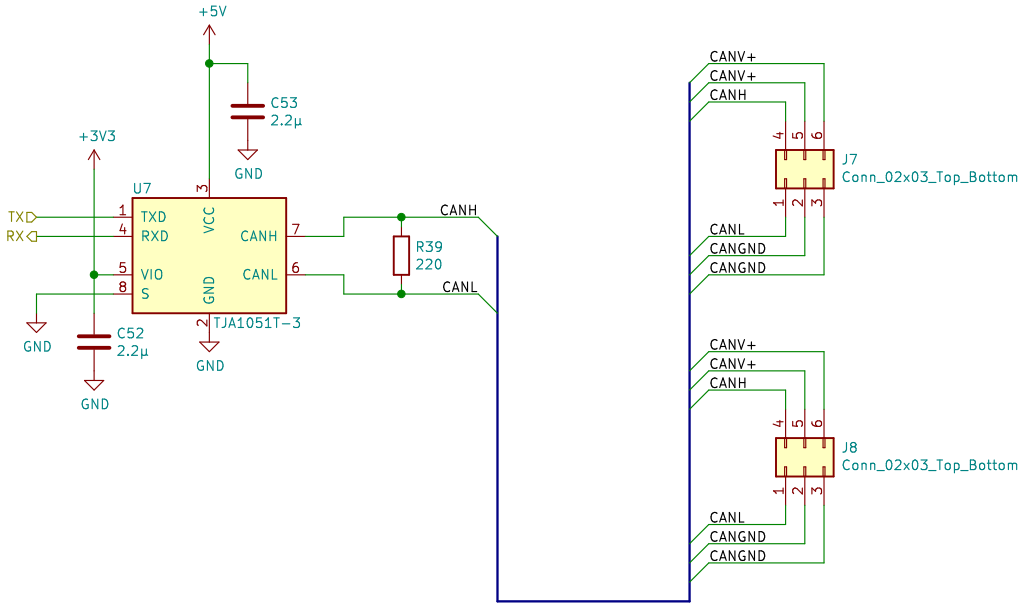

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